

IN THE CLAIMS

Please amend the following claims to reflect the respective changes made. Marked-up copies of these amended claims are attached hereto under Exhibit A.

1. (Four Times Amended) An electric high voltage AC machine for direct connection to a distribution or transmission network, said machine including at least one winding and having a neutral point and comprising at least one current-carrying conductor and a magnetically permeable, electric field confining covering surrounding the conductor; a first layer having semi-conducting properties surrounding the conductor and being in electrical contact therewith, a solid insulating layer surrounding said first layer, and an outer layer having semi-conducting properties surrounding said insulating layer, and grounding means for connecting the neutral point of said winding in circuit to ground.

9. (Four Times Amended) An electric AC machine having a magnetic circuit for high voltage comprising:

a magnetic core and at least one winding, wherein said winding is formed of a cable comprising at least one current-carrying conductor and a magnetically permeable, electric field confining covering surrounding the conductor, each conductor having a number of conductor elements, and inner semi-conducting layer surrounding the conductor and being in electrical contact with at least one of the conductor elements, an insulating layer of solid insulating material surrounding said inner semi-conducting layer, and an outer semi-conducting layer surrounding said insulating layer, and grounding means for connection to at least one selected point of said winding to ground.

35. (Twice Amended) A high voltage electric machine comprising at least one winding, wherein said winding comprises a cable including at least one current-carrying conductor and a magnetically permeable, electric field confining cover surrounding the conductor including an inner semi-conducting layer surrounding the conductor and being in electrical contact therewith, a solid insulating layer surrounding the inner layer, and an outer semi-conducting layer surrounding the insulating layer, said inner and outer layers forming equipotential surfaces around the conductor, said cable forming at least one uninterrupted turn in the corresponding winding of said machine.